



The Institution
of Structural
Engineers

SEABC NEWSLETTER

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ISSUE No.
009

FEBRUARY 2010

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Published by the
Structural Engineers Association of BC

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- SEABC's Newsletter is edited and managed by The Communications Committee. newsletter@seabc.ca
- Submissions to the newsletter are encouraged and all members of the SEABC are asked to actively participate in contributing to our newsletter. Submissions letters to the Editor, questions and comments can be sent to: newsletter@seabc.ca
- SEABC editing staff reserve the right to include or exclude submitted material and in some cases edit submitted material to suit overall space requirements. If submittals are not to be edited, please advise editor at submission time.

Message from the President

February 2010

By Dave Davey, P.Eng.;
SEABC Charter President



LOOKING AHEAD

After two years of operation of SEABC, it is a good time to reflect on what we have done, where we are and what our future objectives should be.

We were fortunate to have a group of organized and dedicated volunteers from the founding groups already working to provide support services for Structural Engineers and they continue to provide the base services that our members tell us that they are looking for.

The '2009 Membership Survey', which went out last summer, told us that education and technical support were the most desired services. These, together with setting up good communications, have been the areas where we have devoted most of our efforts.

Our education group organizes and produces free evening seminars monthly for members and one or two major seminars in the Fall and in the Spring, offered to members at a significant discount. The Certificate in Structural Engineering courses, which are offered in the Spring and Fall sessions, are also provided at a discount to members. We have been working hard to improve webcasting and recording abilities for our seminars and for the CSE program, so that these facilities can be appreciated and enjoyed by members outside the Lower Mainland.

Our technical groups and our Structural Practice committee, which works with APEG and SEAs south of the border, are working on solutions to technical and practice problems. A partial list of these includes the recent development of Design Guidelines for Six Storey Wood Frame Buildings and recommendations on the use of Schedule S. Work in progress includes guidelines and responsibility for residential guardrails, assessment of earthquake forces on basement walls and design requirements for temporary structures.

And, lest we forget what is perhaps the most important function of all, we try to keep you informed of our activities by means of our quarterly Newsletter, our website and email broadcasting.

I believe that we have done well to build a solid base of activities but where do we go from here? We will need volunteers and champions to take on new activities.

I can tell you that we have recently set up a Young Members Group (championed by Kevin Riederer) and our first Branch organization (Thor Tandy in Victoria). We are developing an easily accessible technical forum, where members can seek answers to problems that they have encountered (Stephen Pienaar and Jim Mutrie). Shortly we plan to set up a corporate members group where structural engineering firms (particularly small firms and sole practitioners) can advertise their services and can network to solve their business problems.

Looking ahead – Should we be holding steady or expanding our programs? Should we be working on building up our public image? These are the kind of the questions that our new board of Directors will face. Input from members is always welcome.

IStructE News

By David Harvey, P.Eng, Struct Eng
Institution Representative in BC



January was a busy time at IStructE headquarters. I attended meetings of the Executive Board, Nominations Committee and Council. The feedback from these meetings is that the Institution has emerged from challenging financial times in remarkably good shape and that membership numbers continue to grow. During the Council meeting,

IStructE's 90th President, Norman Train, was installed in office, and afterwards gave his inaugural address entitled "Opportunities Within Change: Looking Beyond the Immediate." You can obtain more information by reading "Train Journey to Presidency" on the Institution web site:

http://www.istructe.org/news/Pages/100119_train_journey_to_presidency.aspx

Norman's biography is at:

http://www.istructe.org/about_institution/president/Pages/default.aspx

Norman is a colourful character, who founded his London-based consultancy, Train and Kemp, in 1992. The company specializes in foundations and building refurbishment projects. Norman well understands the challenges faced by small firms in recessionary times and is offering his full support to those practitioners in need. He is acutely aware of the need for action to mitigate the effects of climate change and is championing IStructE's move to implement sustainable design practices.

Norman expresses his larger-than life personality in many ways, including his brightly patterned neckwear. His unique pictorial signature in the image of a train causes universal amusement and has become his trademark. If you join the Institution this year, look out for Norman's logo. Perhaps 2010 membership certificates will become collector editions!

The full text of Norman Train's Address were published in the January 19 edition of *The Structural Engineer*.

Communication Committee Update

By David Harvey, P.Eng, Struct Eng
Chair, SEABC Communication Committee

The Communications Committee work includes many of SEABC's core member services. Much of our day-to-day business involves running the SEABC website, the broadcast email service, and the popular quarterly SEABC Newsletter. In addition, the Communications Committee is responsible for the Young Members Group, and membership matters. All in all this is a significant area of responsibility for your volunteer committee.

We need your help. If you are an SEABC member who enjoys communicating and would like to support your profession, kindly consider joining your Communications Committee. You can help with website design and administration, newsletter editing, and committee work. Help us to raise our public profile and enhance member services!

If you are interested, feel free to contact me at harveyd@ae.ca - or any SEABC Director.

Education Committee Update

By Leslie Mihalik, M.S., P.E., P.Eng.
Chair, SEABC Education Committee



SEABC members may have noticed that the Education Committee has presented more events in 2009 than in preceding years. The increased frequency of events can be attributed to two factors - significant volunteer hours from our committee members, and, the effective approach and procedures that we have developed to organize our seminars. The feedback that we have received regarding the venue and format of our half and one-day seminars has been positive. We plan to continue using this model for our future seminars.

We presented a seminar on the Design of Pedestrian Structures on October 28. Case studies of two recent pedestrian bridge projects – the Zuckerberg Island Suspension Bridge upgrade project in Castlegar, B.C., and the Stawamus Chief Pedestrian Bridge over the upgraded Sea-to-Sky Highway near Squamish, B.C. were presented by two of our members.

On November 12 we presented a successful dinner seminar on the Construction of Six-Storey Wood Frame Buildings at the Sutton Place Hotel. This event was followed on November 26 by a seminar on CAN/CSA-A23.3-04 Appendix D - Anchorage Systems.

Approximately 150 of our members attended this week day afternoon event.

Our very popular CSE Program continued this past September with an offering of four courses. 137 Students in total registered this semester, including 29 students who participated via webcasts from as far afield as England. This past term, in recognition of the success of the program, and also the current economic climate, the CSE organizing committee graciously decided on a once-off reduction in the course fees for students. Courses for the March 2010 term have already been finalized; details are available on our website.

We are currently busy organizing the Annual General Meeting scheduled for March 17, 2010. The even will include a very interesting keynote presentation and we encourage all members to attend.

If you have any suggestions for future seminars, or are interested in getting involved with the Education Committee, please contact us through www.seabc.ca.

Lastly, thank you to the members of our Education Committee, and our secretary, Fran Abbuhl, for all your hard work throughout 2009.

Structural Practice Committee Update

By Thor A. Tandy, P. Eng, Struct.Eng.;
Chair, SEABC Professional Practice Committee



The New Year has started and we have convened our first meeting to address the aims of 2010.

APEGBC Code committee: Leonard Pianalto P.Eng. will continue to attend these meetings and report on those code issues that are being dealt with

by the committee and that may have an impact on professional practice.

APEGBC Misc: The proposal to replace the current Schedules B1 & B2 format with a single Schedule 'B' is still, at this time, on-going. Its final form will be publicized as soon as the comment period and final deliberations are concluded.

Member Comment: Members are encouraged to raise any issues that affect their, or the general, practice of structural engineering. Do contact one of the committee members in your area.

Contact: Thor Tandy, P.Eng., Struct.Eng. (Chair)

Vancouver Island Branch

Thor A. Tandy, P. Eng, Struct.Eng.;
Chair, SEABC Professional Practice Committee



Mission: To provide a focal point for SEABC members on the Island to meet, discuss SEABC issues and to take benefit in the form of exchange items of technical interest.

Glulam Webinar: Dec 22, 2009. Successfully run at the offices of MoTH in Victoria. We actually made a small profit

Foundation design – Basics Webinar: Held on January 13 at the Travelers Inn, Victoria. Although a penalty in booking room resulting from a cancellation due to snow storms back east, participation, together with a small profit from the Glulam webinar, this one almost broke even.

2010 Aims: Continue to provide reasonably priced CPD opportunities to the local membership. The next formal meeting will probably be in late January or early February. We encourage Island members to join us.

Contact: Thor A. Tandy, P. Eng., Struct.Eng.

Interim Working Executive:

Chair: By rotation at meetings Secretary: Sharlie Huffman

Technical Committee Update

By Renato Camporese, P.Eng. , Struct.Eng.; Chair, SEABC Technical Committee



At this time three task groups are pursuing initiatives on behalf of the technical committee of SEABC.

The Guard Task group has completed a draft version of "Guard Design Guidelines". This document is currently under

review by the committee and should be available soon.

The Temporary Structures Task group has started compiling data on requirements in other areas of the world, however progress has been slowed by other activities such as the Winter Olympics.

The Seismic Design of Basement Walls Task group has also made limited progress lately. The group is awaiting the results of FLAC analysis of refinements to their basement wall model.

Young Members Group

By Kevin Riederer, MSc, P.Eng., LEED AP



The SEABC Young Members Group is now into its second year of activity. As we look back at our inaugural year, we are very pleased with our achievements thus far. We've established a core group of dedicated volunteers who have worked exceptionally hard to bring this group to life.

Our success to date has shown that a young members group within the SEABC framework can serve an important purpose, contribute to the advancement of the association and collaborate well with other SEABC committees to better meet the needs of all our the members.

This past year, the YMG undertook at least one initiative in each of our five focus areas: registration assistance, professional development, communication, outreach and networking. As a group, we were pleased with the outcome of each event that we organized, while at the same time discovered ways to improve each event the next time around. We have been fortunate to have the support of SEABC Board of Directors and we have received consistently positive feedback throughout the year from SEABC members. Many thanks to everyone who helped organize or participated in a young members group event this past year.

As we look forward to the year ahead, we are eager to pursue new initiatives and improve upon those already started. We have already held a successful tour of the FP innovations facility (the world's largest non-profit forest research institute) hosted and organized by the Canadian Wood Council, and we have a social networking event planned for March. Throughout the year, the YMG will continue to work towards our goals of supporting the development of young members as they advance in their career, and help them make the most of their SEABC membership.

Planning for the 2010 year is already well underway, however, as the year progresses we hope to have more input from members and as always, your comments, questions and feedback are appreciated. You can reach us at ymg@seabc.ca and remember to visit our webpage www.seabc.ca/ymg for information on the YMG including summaries of our previous events and information on any upcoming events.

Sustainability Design Education

By Mark Porter, P.Eng., LEED AP



As a member of the APEGBC Sustainability Committee, I am really excited to report on the initiative currently being carried out by a task force on the committee.

The Sustainability committee has a broad mandate to “*To identify, promote and facilitate sustainability in the practice of*

engineering and geoscience.” With three of the 11 defined functions and deliverables being:

1. To develop, prepare, maintain, and provide input on guidelines, policies, and legislation for use by APEGBC (the “Association”) and its members which promote and enable sustainability.
2. To foster a knowledge and understanding of principles of sustainability by Association members and the public.
3. To raise awareness among Association members of achieving sustainability.

One of the early tasks that the committee carried out was to develop a set of Guidelines for all members and a presentation to fit within the Law and Ethics seminar as part of the training for an EIT. It is some years since they have been revisited and in fact it has come to our attention that sustainability is no longer included in the seminar.

So in keeping with the three functions listed above, we have started the task of reviewing and revising both the Law and Ethics sustainability presentation and the APEGBC sustainability guidelines.

This is no small task, but an important one and I along with the rest of the committee and am looking forward to the end product. If you have any questions or comments, or if you would like to be involved in this task please do not hesitate to contact me at:

porterm@ae.ca

School Seismic Upgrade

By Thor A. Tandy, P. Eng, Struct.Eng.;
Chair, SEABC Professional Practice Committee

Since last report, there have been no new major technical issues in the development of the Technical Guidelines first edition. The Calculator and guidelines are scheduled to be completed in the summer of 2010. The precise completion date will be confirmed in May. The date of the training workshop is yet to be determined (late fall probably).

There will be negotiations with the Ministry of Education about future work beyond the completion of the first edition. Financial support for further initiatives will not be known until spring.

Of special note, the project *Developing Innovative Seismic Engineering Practices* has been selected to receive the 2010 CSCE Innovation in Civil Engineering Award. This project involved a unique collaboration between government (B.C Ministry of Education), engineering practitioners (Seismic Peer Review Committee), University of British Columbia (Dr. Carlos Ventura, P.Eng., and his team), and a regulatory body (Association of Professional Engineers and Geoscientists of B.C.) with the participants all working together to achieve the common goal of protecting public safety. As a result, representatives from those groups will be in attendance at the CSCE Awards Banquet on Friday June 11 in Winnipeg in order to receive the award.

Contact: Thor Tandy P.Eng., Struct.Eng.

On the Web

By Stephen Pienaar, P.Eng;
SEABC Webmaster



2009 was a good year for the SEABC and our web presence. With an enthusiastic Board of Directors and lots of ideas on the boardroom table, 2010 promises to be an even greater year.

Membership Renewal

In previous years, APEGBC has facilitated payment of SEABC membership together with APEGBC membership. With the 2010 membership renewal, however, the SEABC is standing on our own two feet and handling all renewals directly.

The majority of our members renewed their membership before the December 31 deadline. Most members opted to pay their dues online with credit card, our ecommerce system appears to be functioning adequately. Some of the bigger firms chose to do bulk renewal (cheque payment) for their staff — that option certainly seems to have simplified matters further.

Some members seem to have gotten overwhelmed by the Christmas holidays and perhaps even the Olympics, and needed another reminder at the beginning of this year. At this time we still have about 300 members (many of them student members) that still have not renewed their membership. If you are one of them, please act quickly to avoid the disappointment of having your membership cancelled. Renewal instructions are available on the SEABC website at www.seabc.ca/renewal.

Annual General Meeting

The SEABC AGM is planned for March 17. Like last year, we plan to accept registrations online again. For more information on the AGM, please refer to www.seabc.ca/agm.

The new board of directors will be introduced to members at the AGM. Candidate's election statements are included in this edition of the newsletter. Should there be more candidates than positions, we may conduct an election online — another first for SEABC.

Looking Ahead at 2010

We have been talking about several new web services over the past couple of months. The holidays and limited personal time (SEABC is volunteer powered) have caused these projects to stall, but things are getting back on track again. New services that members can look forward to in coming months include:

- SEABC Forum: Discussion of technical topics and other community matters.
- Members Directory: A public, searchable directory of members.
- Corporate Member Listing: A directory of corporate members with specialties.

Feedback

The various SEABC committees are doing valuable work, and we are trying to reflect this by keeping the information on our website current. Please bookmark www.seabc.ca and check in regularly for upcoming events, seminars and courses. Please continue to send you feedback and suggestions to webmaster@seabc.ca.

Sincerely,
Stephen Pienaar, P.Eng
SEABC Webmaster

2010 Board of Directors Elections

Election Statements

The SEABC bylaws require that we have a minimum of five Directors. However, we aim to have about ten Directors to ensure that we cover the spectrum of Structural Engineering. Unless elected by acclamation, election shall be by ballot. The Directors elect from amongst their numbers a President, a Vice-President and a Secretary/ Treasurer.

Election Statements received from Candidates have been reproduced below. The 2010 Board of Directors will be introduced to Members at the Annual General Meeting on March 17. More information about the election will follow in due course by email.

Dave Davey P.Eng.



As a former member of SECBC, VSEGS and DSE and past-chair of DSE, I fully supported the setting up of a volunteer run society to co-ordinate and expand services to support structural engineers.

In the first two years of operating SEABC, we have managed to consolidate our operations and have set up a gradually expanding spectrum of services and networking capabilities.

If re-elected as President, I will work to build on our base of services and particularly to expand the services offered to Structural Engineers located outside the Lower Mainland.

David Harvey P.Eng Struct.Eng.



I am privileged to have served as a Director of SEABC and observe its exciting growth over the past two years. Our membership numbers have exceeded expectations, and SEABC has become a strong voice for structural engineers. We have tackled important

technical and practice issues, enhanced professional development opportunities, conducted a membership survey, and established high communication standards for structural engineers. We must build upon this promising start, and if re-elected, I will work hard to improve services for the SEABC membership.

Rob Simpson MBA P.Eng. Struct. Eng. LEED AP



Structural engineering is a unique profession. We have the greatest of responsibility for the lives of the public who occupy our buildings, yet the public barely understands our work. For the most part our clients barely understand our work. Still, we strive for excellence and soak up technical knowledge at every opportunity. This is where SEABC comes in. Helping each of us become better at the technical aspects of our profession improves our lot as a whole. Engineers in Vancouver are equal with the best in the world, thanks to organizations such as SEABC.

It has been a pleasure to serve since the inception of SEABC, and that of its predecessor SECBC in the early 90's. We have come a long way and have much left to do. I would strongly encourage younger engineers to take opportunities for work on technical committees to help continue our growth as a profession.

Cameron Kemp P.Eng.



Having been part of the formation of SEABC I feel that this new organization is starting to "catch its stride".

We have a strong technical Continuing Education program and great

Communications program through the newsletter and website.

We are, however, still in the formative stages of organizing some of the other programs and committees within SEABC and I would like to continue with the Board to ensure that, as the organization matures, we preserve the principles and priorities that guided SEABC's formation.

For 2010 I would like to see a focus on forming and/or strengthening these various technical and business committees. Active committees tackling relevant, topical issues will see the SEABC become a fully mature organization representing all aspects of structural engineering to its members.

With your support I would like to be part of the SEABC's ongoing development.

Adrian Gyax P.Eng, Struct.Eng.



During the past few years, SEABC has built on the foundations established by its predecessor organisations to become a strong advocacy and support forum for the structural engineering profession. It would be my privilege to serve our

organisation as a board member as we head into a phase of membership development and the hosting of events such as SEA Western Conference at Whistler in October 2010.

I am a graduate in civil engineering from the University of British Columbia, and have three decades of experience in structural and foundation engineering.

Since 1997, I have been the Principal of Gyax Engineering Associates Ltd. where we specialise in structural design for infrastructure. I am a firm believer in professional development and mentoring.

In its 12 years of existence, my firm has trained four engineers-in-training and I serve on the APEGBC "Looking to Exempt" panels. Continued support for the SEABC's Certificate Programme, technical seminars and working groups are vital to our profession. Providing input to for curriculum development at our local universities is also important.

Andrew Seeton MAsC, EIT



My participation in the local structural engineering societies began in 2005 when I joined the board of directors of the Vancouver Structural Engineers Group Society (VSEGS). I acted as VSEGS President beginning summer of 2007, a position that transitioned to Chair of the SEABC Education Committee when VSEGS joined DSE and SECBC to form SEABC in early 2008.

For the past two years I have served on the Board of Directors for SEABC while remaining active with the Education Committee. In 2009 I undertook collaborative efforts with other committee members to coordinate successful educational seminars for SEABC members, and look forward to continuing these efforts in 2010.

My current goal is to develop a video archiving system to allow members to view SEABC events remotely via the web. Continued professional development is vital for all structural engineers; this belief is what motivates my participation in SEABC.

Thor A. Tandy P.Eng, Struct.Eng.



A Director of the DSE, and Chair until it joined SEABC; I was active in all issues arising between the membership and APEGBC.

I am currently on the SEABC Board and Chair of the Structural Practice Committee (nee DSE), and have maintained the policy communications between APEGBC and SEABC.

On Vancouver Island, I have become the 'man to go to' for queries/requests from the Island membership and intend to be active in encouraging on-going Island events and communication.

Stephen Pienaar, P.Eng.



Information technology is becoming increasingly important to organisations. The SEABC is no different.

IT leadership and vision are best displayed at the top: in the boardroom. As the Association's webmaster, I have been directly involved with setting up the SEABC website and email broadcasts, and development of the online membership and ecommerce systems. The goal posts

are continually shifting and much more need to be done in coming years. If elected as director, I will aim to help SEABC achieve its online objectives and expand its online presence even further.

Paul Fast P.Eng, Struct.Eng.



SEABC has made an excellent start in connecting, equipping and representing the structural engineering community. With close to 30 years structural design experience and serving on various non-profit boards, I am standing as candidate for the executive committee with the intention of building on this good foundation, particularly with the aim of encouraging our young engineers to strive for excellence and creativity amidst the rigor of calculations and learning building codes.

SEABC SEMINAR CSA A23.3 Annex D - Anchorage

By Farshid Borjian, SEABC Educational Committee



On November 26 at the Sutton place hotel in Vancouver a two-hour afternoon seminar on the Annex D of the CSA A23.3 (Anchorage) was presented by SEABC in collaboration with Richard

McGrath from Cement Association of Canada and Simpson Strong-Tie Anchor Systems.

The speaker was Richard McGrath.

A good number of 190 people attended this seminar.

The seminar covered CCD method that is currently being used in chapter 12 of A23.3.



The first method which was introduced in 1970 used 45° method for concrete breakout when the



Concrete Capacity Design (CCD) method which was introduced in 1990 incorporated extensive test results leading to a more consistent level of safety for various failure modes in both cracked and uncracked concrete. This was the primary improvement over the previous 45° method and the main reason for changing to the CCD method.

In CCD method the design of structural anchors shall be based on computations for tension and shear and finally the interaction of tension and shear.

Tension capacity of structural anchors would be the minimum of:

- Steel strength of anchors in tension
- Concrete tension breakout
- Pullout resistance of anchors in tension
- Concrete side face blowout resistance in tension

$$N_r > N_f$$

Shear capacity of structural anchors would be the minimum of:

- Steel strength of anchors in shear
- Concrete shear breakout
- Concrete pry out of anchors in shear

$$V_r > V_f$$

And the interaction between tension and shear:

$$N_f / N_r + V_f / V_r < 1.2$$

Also one numerical example from ACI 355 was explained.

Finally the audience asked good questions that they encountered during their real works like as bending moment that are created on the base plate anchors when there is thick grout.

Ask Dr. Sylvie

To access Dr Sylvie's information, and to read the current or earlier issues of *Advantage Steel*, click on the following link:

www.cisc-icca.ca/content/publications/publications.aspx

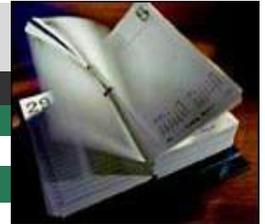
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If you would like to advertise in our newsletter and our website, our pre-paid rates per edition are \$270, \$360 or \$450 for a quarter, half, or full page advertisement, respectively.

50-word "Available for Employment" ads are free.

Please address advertising enquiries to newsletter@seabc.ca

Mark Your Calendars



Annual General Meeting, Dinner & Presentation

Date: March 17, 2010

Venue: Sutton Place Hotel, 845 Burrard Street, Vancouver

Time: 5:30 p.m. (pre-registration required, register online or mail in the attached form)

Cost: \$50 + GST (SEABC members), \$80 + GST (Non-members)

Keynote: Between Thrills & Sleepless Nights: Designing Unusual Structures

Presentation Paul Fast, P.Eng., Struct. Eng., P.E., Fast + Epp

Additional: Address from the SEABC President

Presentation



Paul Fast, P.Eng., is a Principal in the Vancouver-based structural design firm Fast + Epp. He graduated from the University of British Columbia in 1981 and established his own firm in 1985. His contribution on national and international projects such as the Richmond Speed Skating Oval, Kingsway Pedestrian Bridge, Shanghai Wood Pedestrian Centre and numerous Rapid Transit Stations attests to a deeply rooted passion for design excellence.

The presentation will feature a number of structures Fast + Epp has designed, in particular hybrid structures that feature a blend of materials to achieve structural efficiency and architectural elegance. The presentation will include buildings such as Kingsway Bridge, SFU Chancellor Gymnasium Expansion and the Richmond Oval and will highlight some of the technical and relational challenges that are encountered in designing in uncharted waters.



For more information and registration, please visit our website at www.seabc.ca/agm



8th International Conference on Short and Medium Span Bridges 2010

Since 1982, the International Short and Medium Span Bridges Conference has been held every four years in Canada to provide a worldwide state-of-the-art forum on short and medium span bridges. The 2010 SMSB Conference will take place in Niagara Falls, Ontario, from August 3-6, 2010.

Information currently available:

1. Chairs Welcome
2. Travel & Accommodation: hotel booking information
3. Contacts
4. Sponsors/Exhibitors
5. Technical Program
6. Registration
7. FAQ
8. What's New?.....Technical Tours



We encourage you to visit these areas, in particular the "Sponsors/Exhibitors", "Registration" and "Technical Program" areas. We need your support to make this conference successful. Please sign up as a Sponsor or rent an Exhibit Booth or submit Technical Paper(s)/Poster(s).

There are currently 300+ abstracts submitted from 22 countries.

We are looking forward to welcoming you to Niagara Falls in August, 2010.

[8th International Conference on Short and Medium Span Bridges - 2010](#)

Seminars

Soil –Structure Interaction

Date: April 23, 2010 (tentative)
Venue: UBC
More information to follow

Conferences

9th U.S. National and 10th Canadian Conference on Earthquake Engineering

Convened jointly by the Canadian Association for Earthquake Engineering and the Earthquake Engineering Research Institute

Date: July 25-29, 2010
Venue: Westin Harbour Castle Hotel, Toronto
More information: [Conference website](#)